

**IN THE CLAIMS:**

Please amend the claims as follows.

1. (Currently Amended) An equipment in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, characterized in that comprising: at the a point of mixing (K) of the dilution water (V), passed from a dilution water pipe (11), and the fresh stock (M), passed from the a fresh stock pipe (13), there is at least one such pipe portion as comprises having a wave-shaped form in its connection in the a cross-section of the pipe.

2. (Currently Amended) An equipment as claimed in claim 1, characterized in that wherein the dilution water (V) consists of white water.

3. (Currently Amended) An equipment as claimed in claim 1 or 2, characterized in that wherein the equipment further comprises a pipe (12) for passing the a return circulation water (O) to the mixing point (K) of fresh stock (M) and white water (V), and that the pipe (13), through which the stock (M) is passed, has been passed coaxially in the interior of the pipe (12).

4. (Currently Amended) An equipment as claimed in any of the preceding claims, characterized in that claim 1, wherein the dilution water pipe (11) is provided with further comprises:

a wave-shaped form on its a wall face thereof.

5. (Currently Amended) An equipment as claimed in the preceding claim, characterized in that wherein the wave shape on the an inner face of the pipe (11) has been produced by means of form pieces (a<sub>1</sub>, a<sub>2</sub>, a<sub>3</sub>...), which form pieces are of curved cross-section and which have been fitted at a distance from one another on the circumferential measure of the pipe (11) on the inner face of the pipe (11).

6. (Currently Amended) An equipment as claimed in ~~any of the preceding claims~~,  
~~characterized in that claim 3, wherein~~ the pipe (13), which is placed in the interior of the pipe  
(12), is provided with a wave-shaped face form, in which case the return circulation water (O)  
that is passed in the pipe (12) is confined by the wave-shaped outer shape of the pipe (13), and  
the stock (M) that is passed in the pipe (13) is confined by the wave-shaped inner shape of the  
pipe (13).

7. (Currently Amended) An equipment as claimed in ~~any of the preceding claims~~,  
~~characterized in that claim 3, wherein~~ the pipe (12), through which the return circulation water  
(O) is introduced in the pipe (11), is provided with a wave shape, whose form is provided both  
on the inner face and on the outer face of the pipe, in which connection both the white water (V)  
flowing in the pipe (11) and the return circulation water (O) passed in the pipe (12) are confined  
by said wave shape.

8. (Currently Amended) An equipment as claimed in ~~the preceding~~ claim 7,  
~~characterized in that wherein~~ the pipe (12) and the pipe (13) have been passed through ~~the a~~  
~~curved pipe portion of pipe~~ (11) placed below the white-water pit (10) so that the pipes (12 and  
13) have been passed through the wall of the pipe (11), and that the pipe (13) projects from the  
end of the pipe (12), and that the pipe (13) is placed centrally inside the pipe (12).

9. (Amended) An equipment as claimed in ~~any of the preceding claims~~,  
~~characterized in that claim 1, wherein~~ the ~~duet~~ ~~white water pipe~~ (11) ~~further~~ comprises:  
a pump (P) placed after the mixing point (K) of the white water, fresh stock, and ~~a~~  
circulation water in view of passing said materials into ~~the a~~ headbox (100) of the paper/board  
machine.

10. (Currently Amended) An equipment as claimed in ~~any of the preceding claims~~, characterized in that claim 1, wherein the pipe (11) becomes narrower in the ~~a~~ flow direction of the flow ( $L_1 + L_2 + L_3$ ).

11. (Currently Amended) An equipment as claimed in the claim 2, characterized in that wherein the white water (V) that is used as the dilution water is passed from ~~the a~~ deaeration tank (100) of the short circulation in the paper/board machine.

12. (Currently Amended) A method in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, characterized in that comprising the step of:

forming secondary vortexes at the a point of mixing (K) of the dilution water (V) used for dilution of fresh stock (M), passed from a dilution water pipe (11), and the fresh stock (M), passed from the a fresh stock pipe (13), secondary vortexes are formed, which said vortexes are being formed by means of a wave-shaped face form of at least one of said pipes the pipe having at least an end portion with a wave-shaped cross-section.

13. (Currently Amended) A method as claimed in claim 12, characterized in that wherein white water is used as the dilution water (V).

14. (Currently Amended) A method as claimed in ~~the preceding~~ claim 13, characterized in that wherein the white water is passed from ~~the a~~ deaeration tank (100) of ~~the a~~ short circulation of the white water in the paper/board machine.

15. (New) An equipment for the improved mixing and diluting of a fresh stock (M) with a white water (V) in a paper or board machine, comprising:

a white water pipe (11) for conducting said white water (V);

a fresh stock pipe (13) structured and arranged to feed said fresh stock (M) coaxially into said white water pipe (11) at a mixing point; and

at least one of said white water pipe (11) and said fresh stock pipe (13) having at least a portion which has a transverse cross-section that is wave-shaped, said portion being located at said mixing point between said fresh stock (M) and said white water (V), whereby said wave-shape produces secondary vortexes in said flow of fresh stock and flow of white water in order to enhance the mixing and diluting of said fresh stock flow with said white water flow.

16. (New) The equipment according to claim 15, further comprising:

a return circulation water pipe (12) is structured and arranged to coaxially conduct a return circulation water (O), through said white water pipe (11), to said mixing point between said fresh stock (M) and said white water (V); and

wherein said fresh stock pipe (13) is structured and arranged to coaxially conduct said fresh stock (M) into said return circulation water pipe (12), to said mixing point between said fresh stock (M) and said white water (V).

17. (New) The equipment according to claim 15, wherein said wave-shape is formed on an inner surface of said white water pipe, wherein said wave-shape comprises a plurality of spaced form pieces extending radially inward from said inner surface of said white water pipe.

18. (New) The equipment according to claim 17, wherein said form pieces have a curved cross section.

19. (New) The equipment according to claim 16, wherein said fresh stock pipe (13), structured and arranged coaxially within said return circulation water pipe (12), is provided with said wave-shape formed along an inner circumferential surface and an outer circumferential surface thereof, whereby said return circulation water (O), conducted through said return

circulation water pipe (12), is conducted over said wave-shape formed along said outer circumferential surface of said fresh stock pipe (13) and whereby said fresh stock (M), conducted through said fresh stock pipe (13), is conducted over said wave-shape formed along said inner circumferential surface of said fresh stock pipe (13), thereby producing secondary vortexes in said return circulation water (O) and said fresh stock (M).

20. (New) The equipment according to claim 16, wherein said return circulation pipe (12), structured and arranged coaxially within said white water pipe (11), is provided with said wave-shape formed along an inner circumferential surface and an outer circumferential surface thereof, whereby said return circulation water (O), conducted through said return circulation water pipe (12), is conducted over said wave-shape formed along said inner circumferential surface of said return circulation pipe (12) and whereby said white water (V), conducted through said white water pipe (11), is conducted over said wave-shape formed along said outer circumferential surface of said return circulation pipe (12), thereby producing secondary vortexes in said return circulation water (O) and said white water (V).